

Department of Liberal Education
Era University, Lucknow
Course Outline
Effective From: 2023-24

Name of the Program	B.A. / B.Sc. (LIBERAL EDUCATION)			Year/ Semester:	3rd / 6th
Course Name	Environmental Economics	Course Code:	EVA309	Type:	Theory
Credits	04			Total Sessions Hours:	60 Hours
Evaluation Spread	Internal Continuous Assessment:	50 Marks		End Term Exam:	50 Marks
Type of Course	<input type="radio"/> Compulsory	<input checked="" type="radio"/> Core	<input type="radio"/> Creative	<input type="radio"/> Life Skill	
Course Objectives	<ol style="list-style-type: none"> 1. Introduce students to the fundamentals of environmental economics. 2. Familiarize students with the modern concepts of environmental economics. 3. Understand the environmental cost and benefits of goods utilization and infrastructure projects. 4. Understand the importance of environmental economics in conservation of ecosystem and biodiversity. 				
Course Outcomes(CO): <i>After the successful course completion, learners will develop following attributes:</i>					
Course Outcome (CO)	Attributes				
CO1	Students learn the relationship between environment and economics.				
CO2	To understand the theorem and concept of Environmental Economics.				
CO3	Learn environment cost and benefits of natural resource extraction and consumption.				
CO4	Learn about the tools to regulate environment impact of resource utilization and their proper governance.				
Pedagogy	Interactive, discussion-based, student-centered, presentation.				
Internal Evaluation Mode	Mid-term Examination: 20 Marks Activity: 10 Marks Class test: 05 Marks Online Test/Objective Test: 05 Marks Assignments/Presentation: 05 Marks Attendance: 05 Marks				
Session Details	Topic			Hours	Mapped CO
Unit 1	Introduction to Environmental Economics <ul style="list-style-type: none"> • Environmental economics: Meaning and concept • Nature and scope of environmental economics • Market failure: Definition & causes • Public goods and externalities • Tangible and intangible benefits: concept Activity: What is more important Economy or Environment: Debate for or against.			16	CO1
Unit 2	Environment regulation <ul style="list-style-type: none"> • Market based incentives: Pigovian taxes and subsidies • Approaches to the allocation of public goods & tradable 			15	CO2

	<ul style="list-style-type: none"> permits Property rights, social choice and justice, Coase theorem Pareto efficiency/optimality Polluter pay principles <p>Activity: Group discussion on: Can economy and environment flourish together?</p>		
Unit 3	<p>Natural resource economics</p> <ul style="list-style-type: none"> Economics of non-renewable resources: Hotelling's rule; Taxation, Economics of renewable resources Economics of water use, recycling and waste management Introduction to natural resource accounting. <p>Activity: To collect, analyze and discuss the economic cost of drinking water depletion.</p>	15	CO3
Unit 4	<p>Tools for environmental policy</p> <ul style="list-style-type: none"> Environmental Kuznets hypothesis Green marketing and clean technology Non-market value and valuation methods Sustainable policy to check environmental degradation Cost-benefit analysis and valuation <p>Activity: Subsidies and farmer loan waiver: A suitable option for sustainable development? Debate for or against.</p>	14	CO4

CO-PO and PSO Mapping

CO	PO1	PO2	PO3	PO4	PO5	PO6	PO7	PO8	PSO1	PSO2	PSO3	PSO4	PSO5	PSO6
CO1	3			3		2			3		1	3	3	
CO2	1			3		2			3		2	3	3	
CO3	2			3		3		2	3	2	3	3	3	2
CO4		3		3		3	2	2	3	2	3	3	3	2

Strong contribution-3, Average contribution-2, Low contribution-1,

Suggested Readings:

Text- Books	<ol style="list-style-type: none"> Dr. A. Thangavelu & Dr. K. Sapna. 2021. Basics of Environmental Economics. Sankalp publication, 1st edition. Dr. K. V. Pavithran. 2008. A textbook of Environmental Economics. New Age International (P) Ltd. Publishers, 1st edition. Charles D Kolstad, 2012, Intermediate Environmental Economics, Indian Edition, Oxford University Press, New Delhi
Reference Books	<ol style="list-style-type: none"> M. L. Jhingan & C. K. Sharma. 2009. Environmental Economics: Theory, Management & Policy. Vrinda publication, 1st edition. Rabindranath Bhattacharya. 2014. Environmental Economics: An Indian Perspective. Oxford University press.
Para Text	<p>Unit 1: 1. Externalities & public goods - https://www.youtube.com/watch?v=vMbJzAVIwlg&ab_channel=DrAzevedoEcon</p> <p>Unit 2: 1. Pigovian tax - https://www.investopedia.com/terms/p/pigoviantax.asp</p> <p>Unit 3: 1. Hotelling rule in non-renewable resource economics-https://hal-enpc.archives-ouvertes.fr/hal-03216483/document</p> <p>Unit4: 1. Cost-benefit analysis and climate change- https://yaleclimateconnections.org/2021/10/is-cost-benefit-analysis-the-right-tool-for-federal-climate-policy/</p>

Recapitulation & Examination Pattern		
Internal Continuous Assessment:		
Component	Marks	Pattern
Mid-term Exam	20	Section A: Contains 10 MCQs/Fill in the blanks/One Word Answer/ True-False type of questions. Each question carries 0.5 marks . Section B: Contains 07 descriptive questions out of which 05 questions are to be attempted. Each question carries 03 marks .
Activity	10	Will be decided by subject teacher
Class Test	05	Contains 05 descriptive questions . Each question carries 01 marks.
Online Test/ Objective Test	05	Contains 10 multiple choice questions . Each question carries 0.5 marks.
Assignment/ Presentation	05	Assignment to be made on topics and instruction given by subject teacher.
Attendance	05	As per policy.
Total Marks	50	

Course created by: **Dr. Swati Sachdev**
Signature:

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Signature: